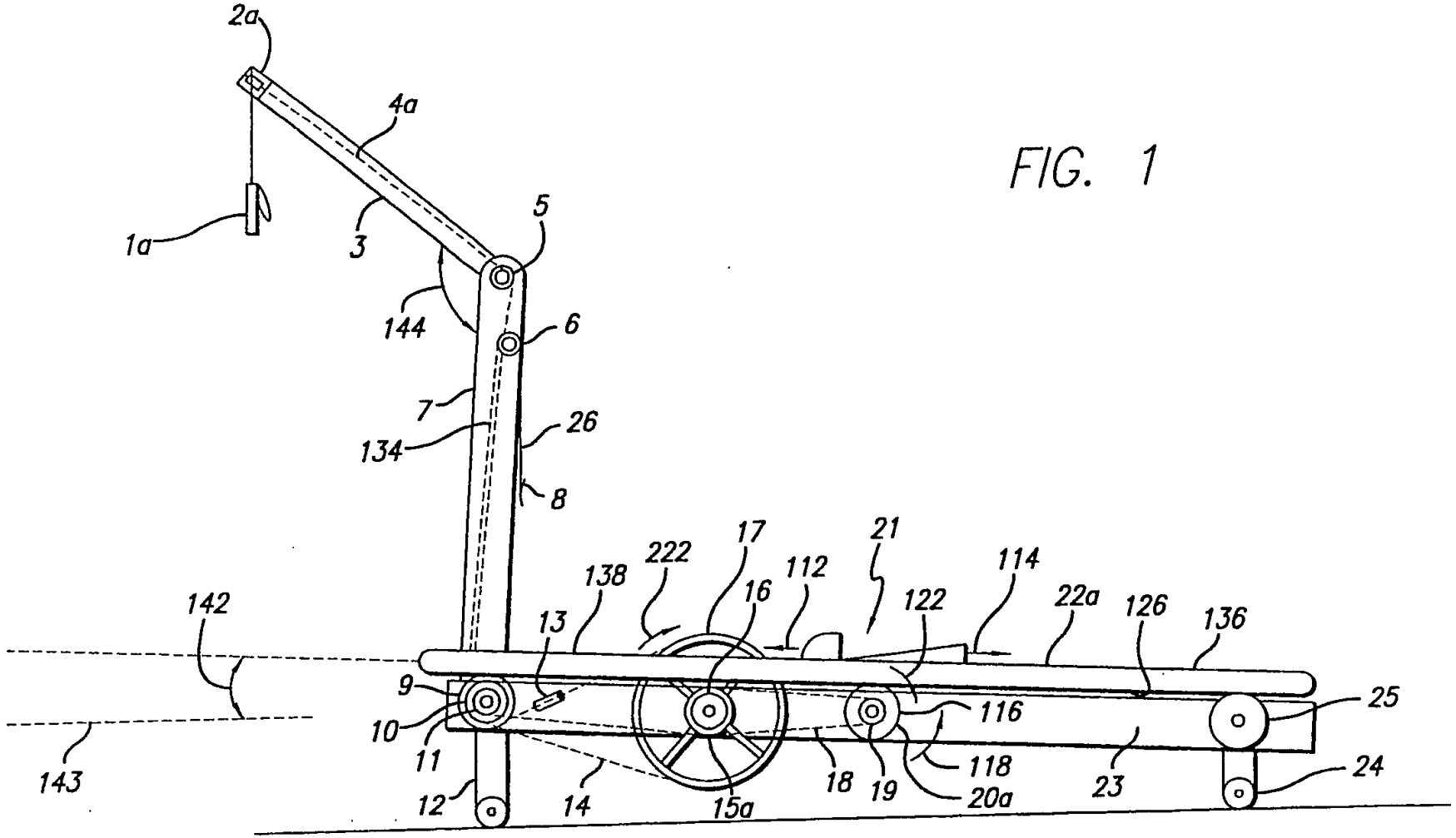

2a
4a
1a
3
5
144
6
7
134
26
8
142
143
138
222
17
16
112
21
122
114
22a
126
136
13
9
10
11
12
14
15a
18
19
20a
116
118
23
24
25

FIG. 1

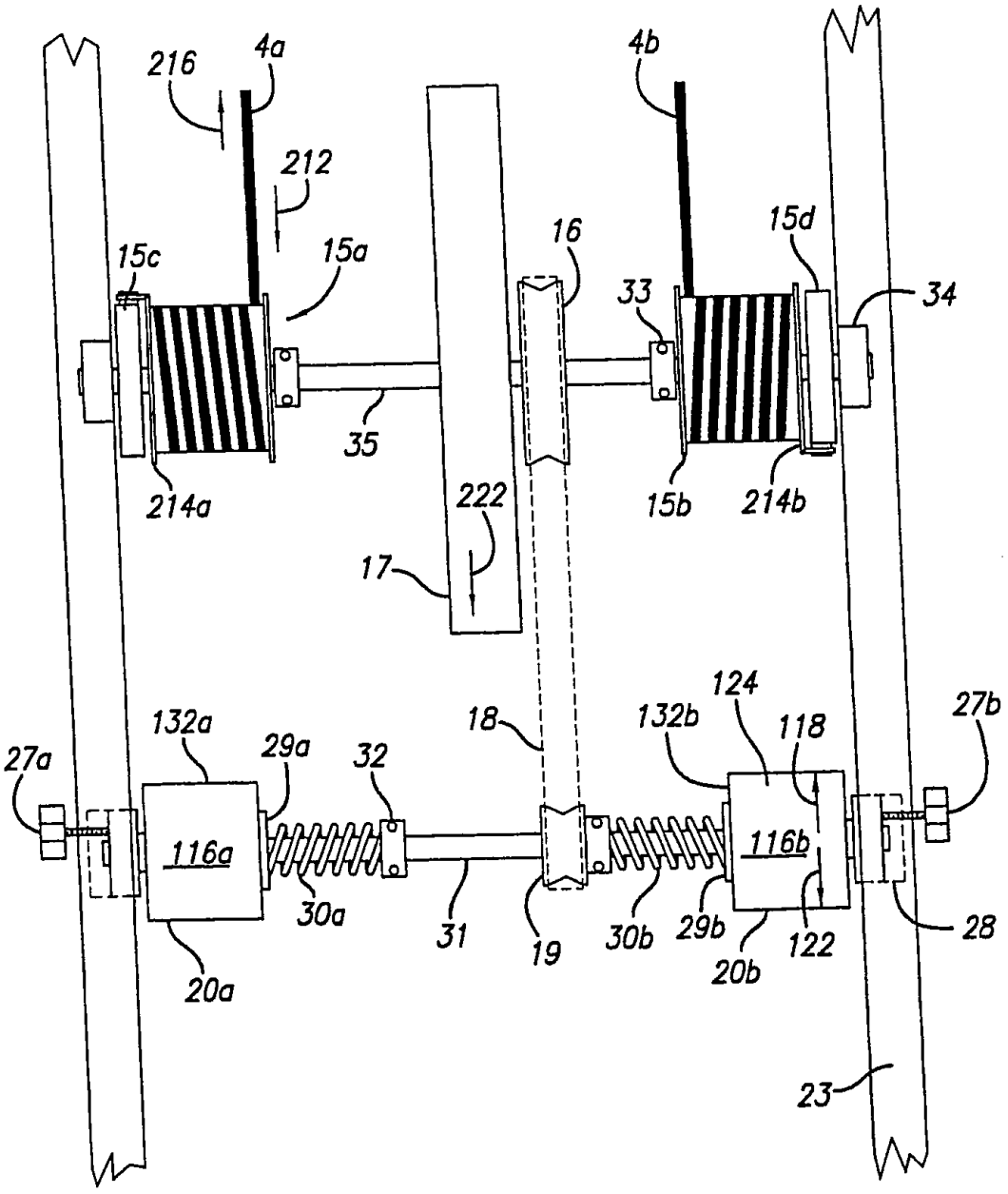

216
4a
4b
212
15c
15a
16
15d
33
34
35
214a
222
17
15b
214b
132a
29a
32
18
132b
124
118
27b
27a
116a
116b
30a
31
19
30b
29b
20b
122
28
20a
23

FIG. 2

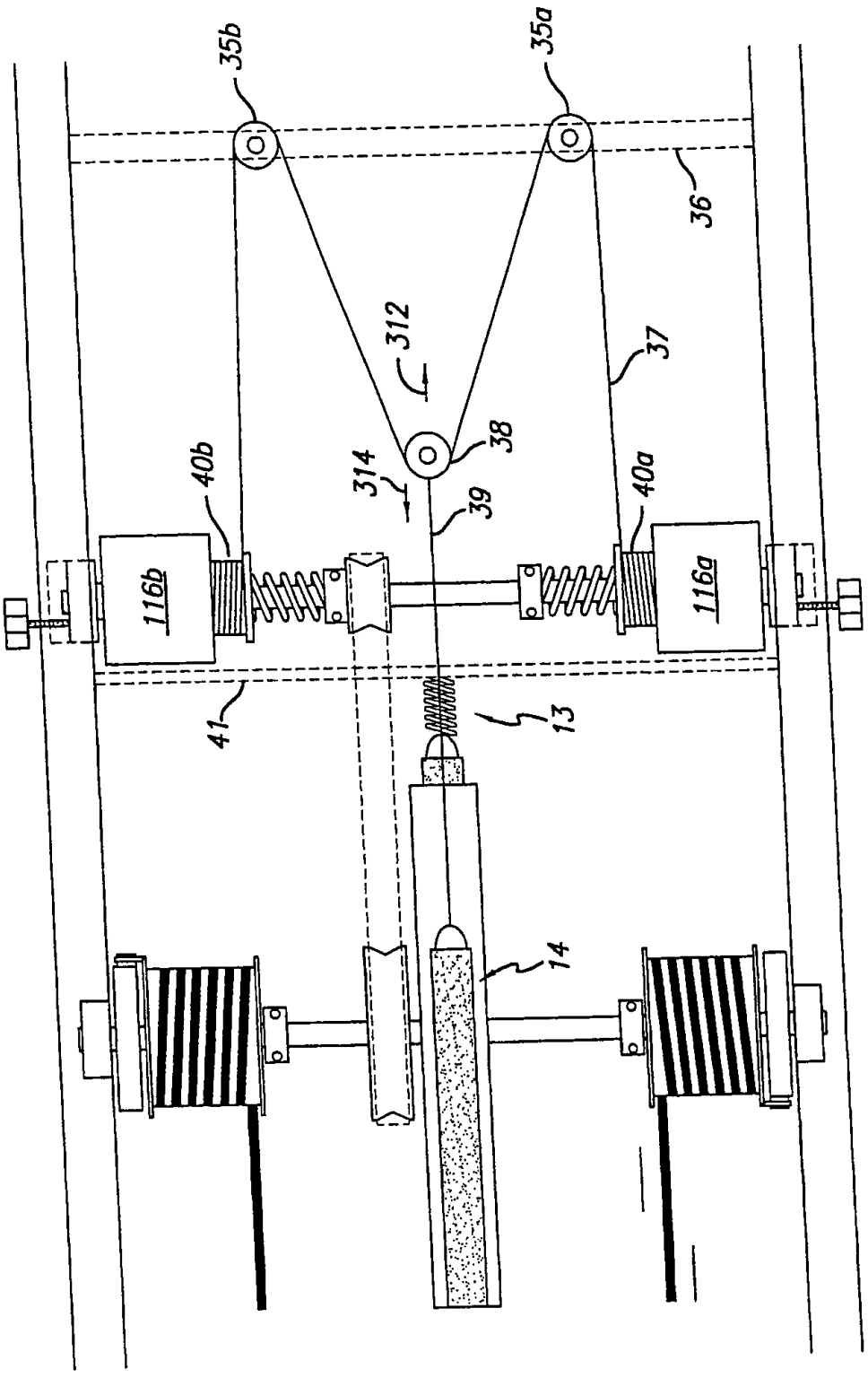


FIG. 3

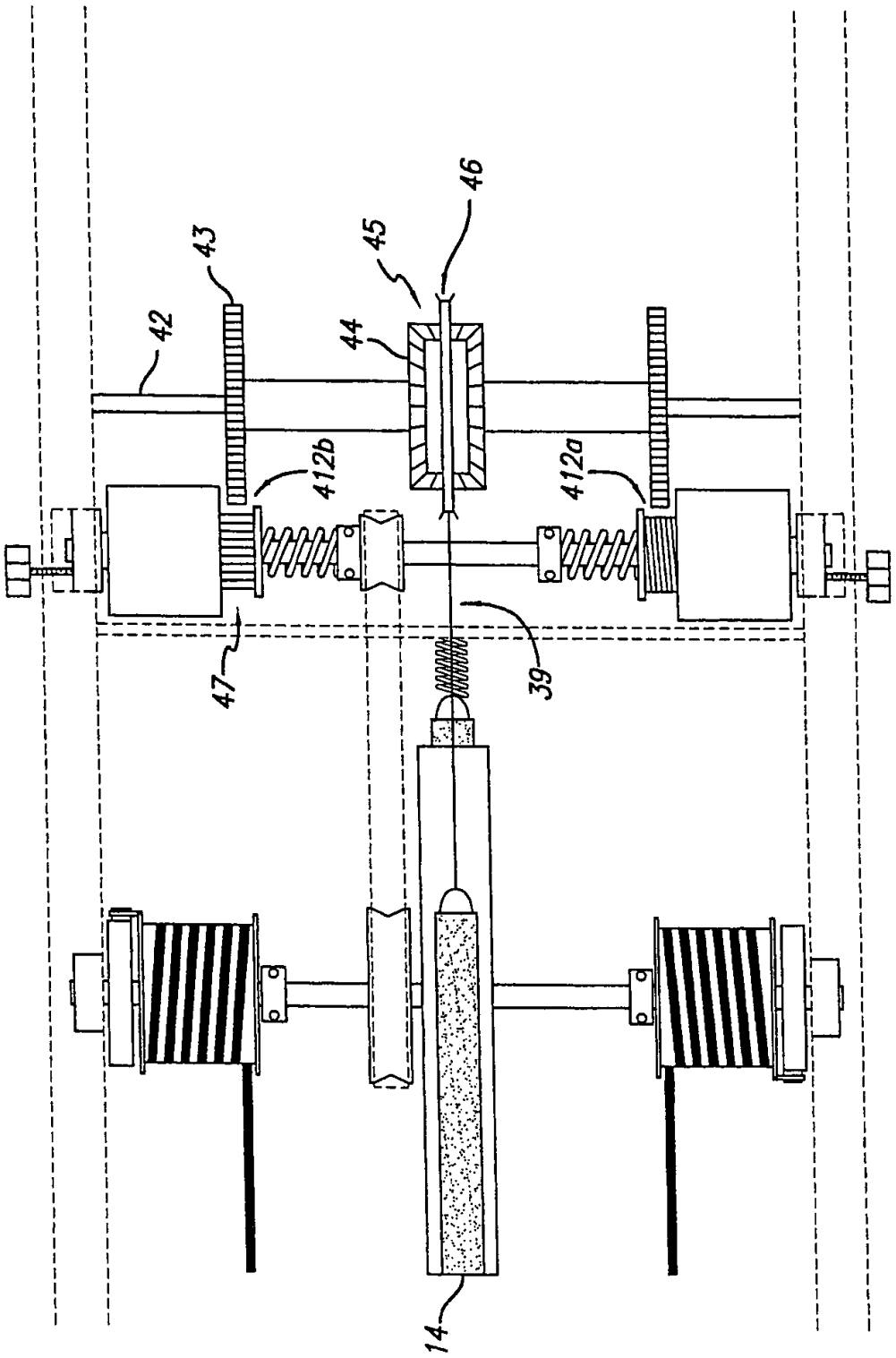
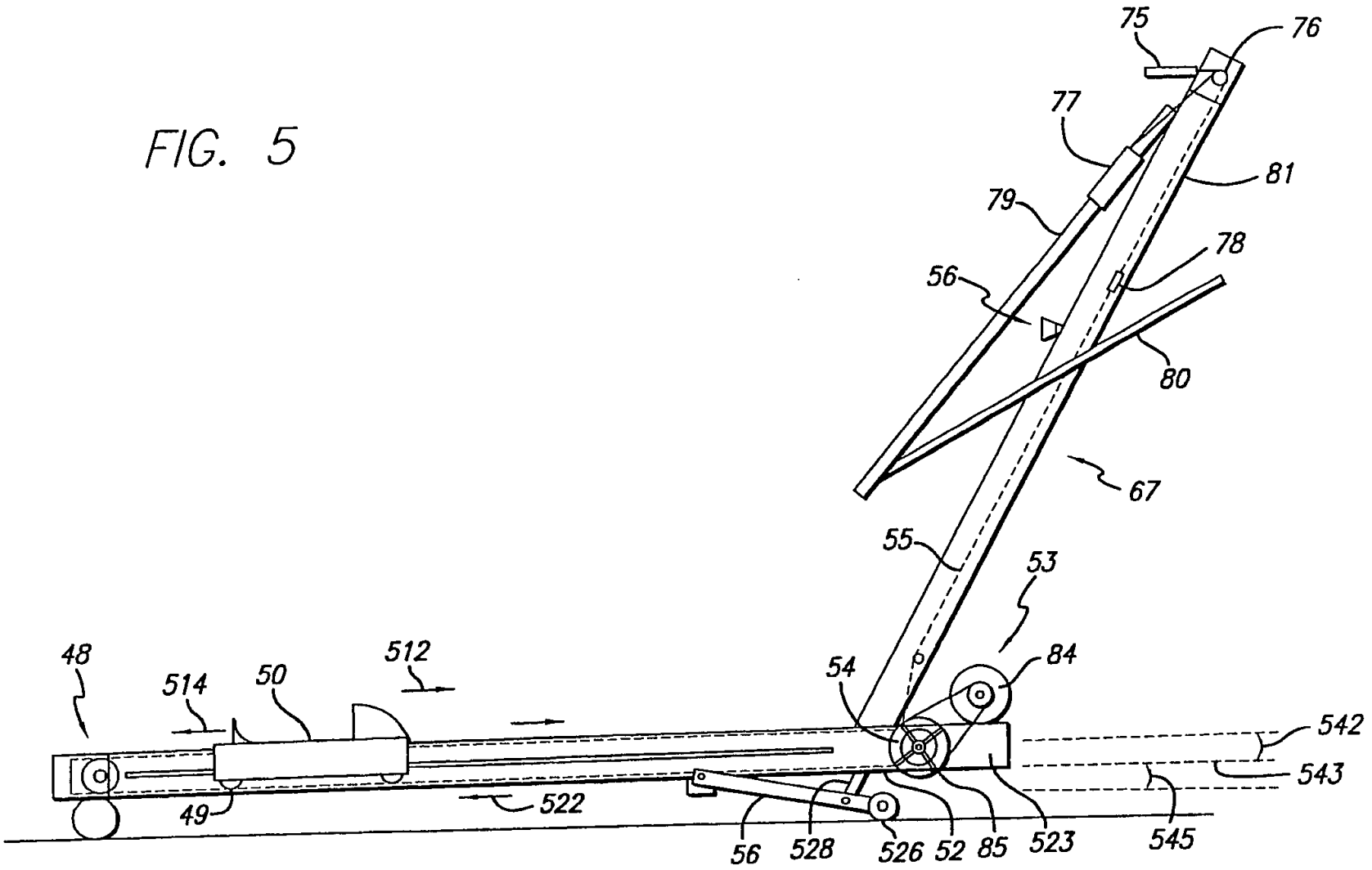


FIG. 4

FIG. 5


75
76
77
81
79
78
56
80
67
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53
84
54
48
514
50
512
542
543
49
522
56
528
526
52
85
523
545

FIG. 5a

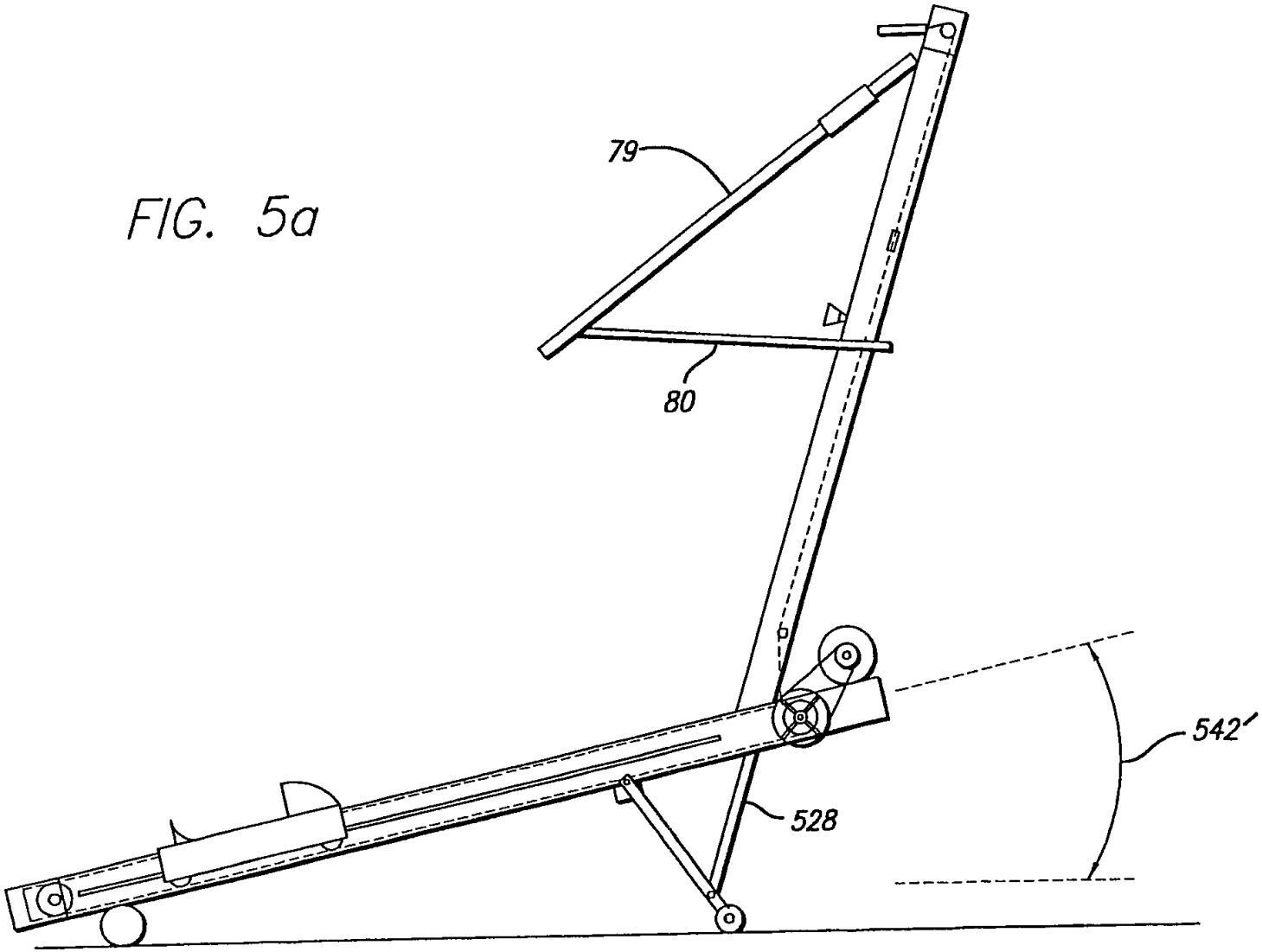


FIG. 6

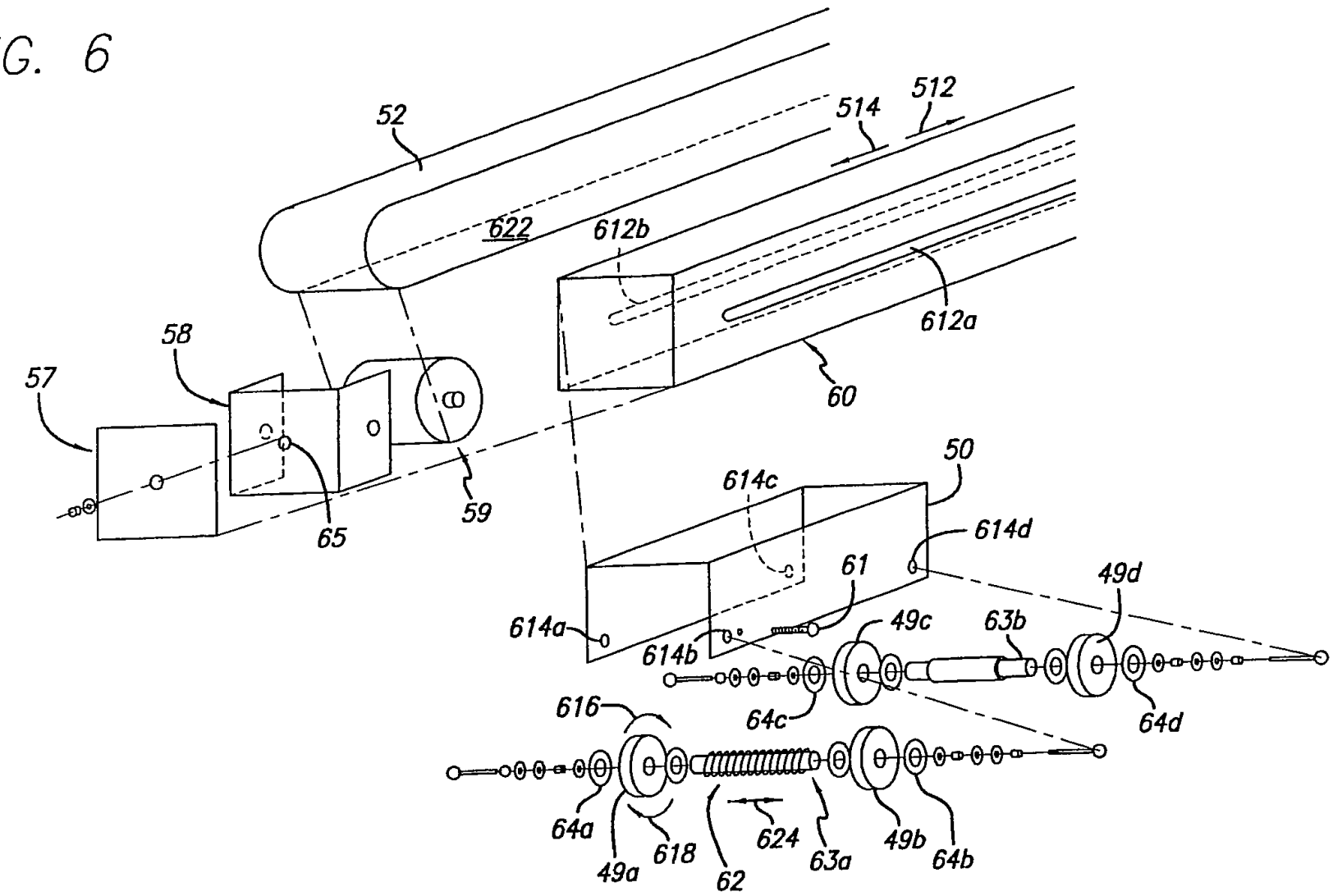

52
514
512
622
612b
612a
58
57
60
50
614c
614d
61
49d
614a
614b
49c
63b
64c
64d
616
64a
49a
618
62
624
63a
49b
64b
65
59

FIG. 7

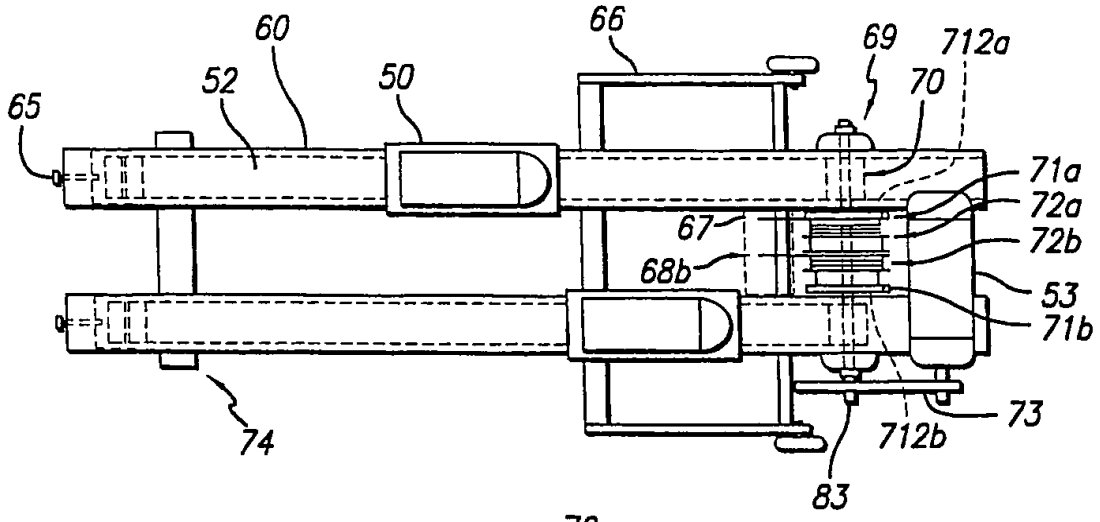

60
66
52
50
69
712a
65
70
71a
72a
67
72b
68b
53
71b
74
712b
73
83

FIG. 8

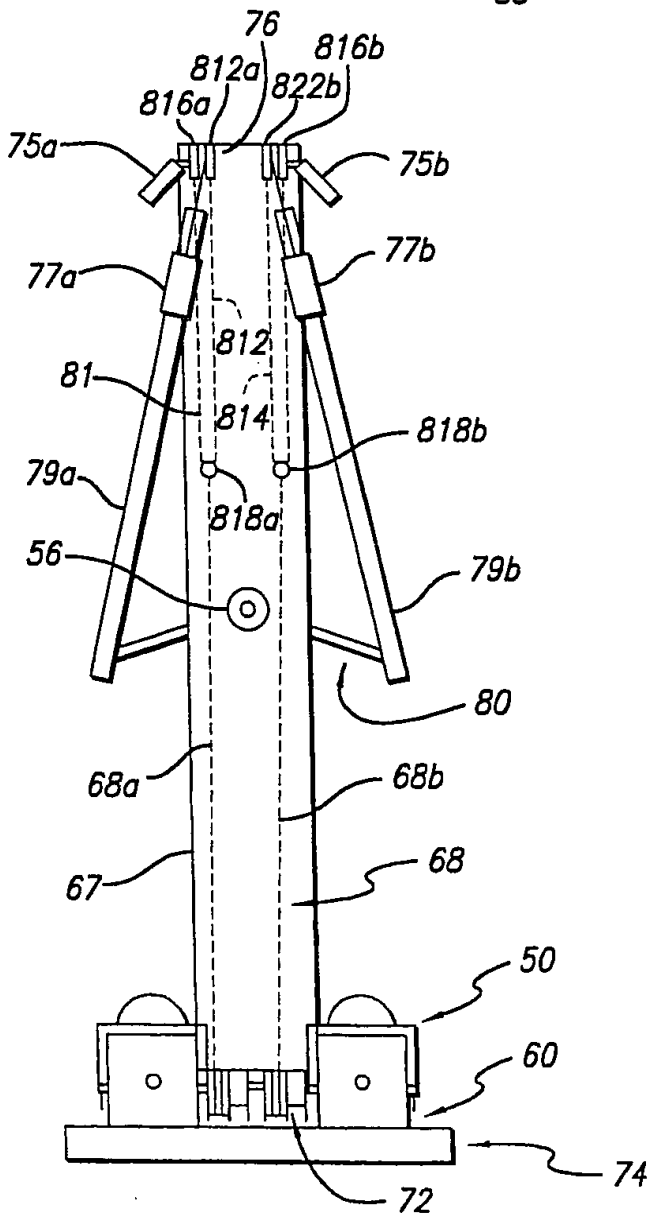

76
816b
812a
816a
822b
75a
75b
77a
77b
812
81
814
818b
79a
818a
56
79b
80
68a
68b
67
68
50
60
74
72

FIG. 9

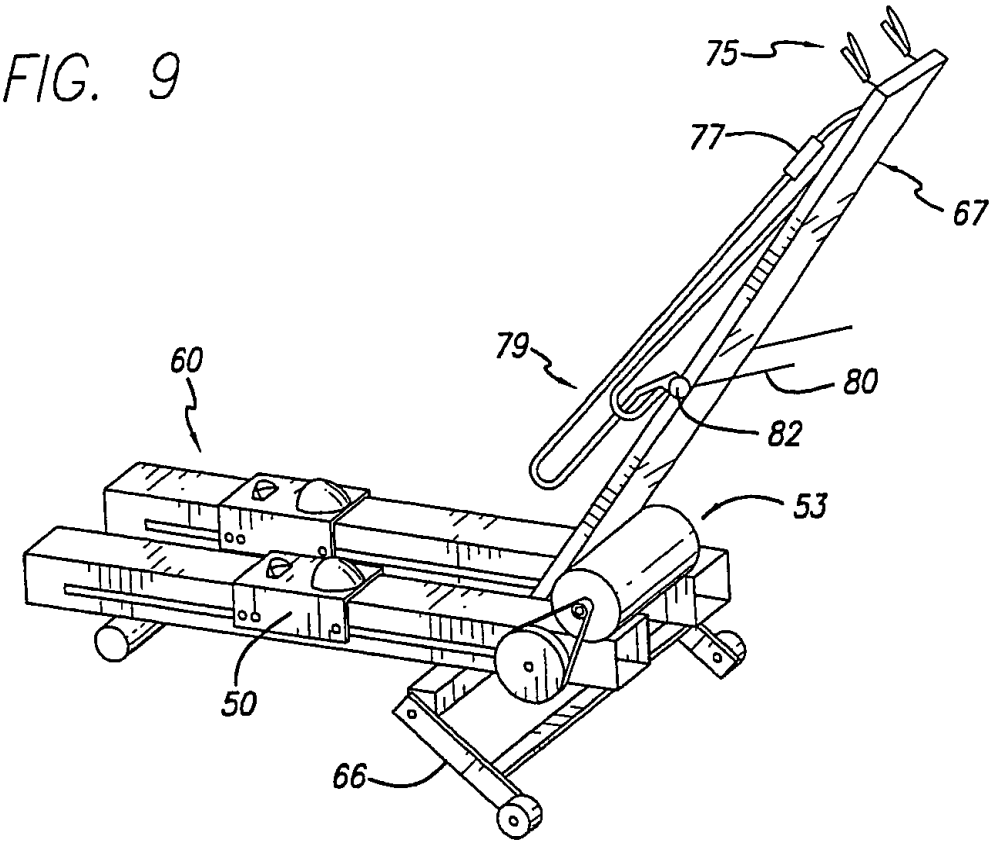


FIG. 11

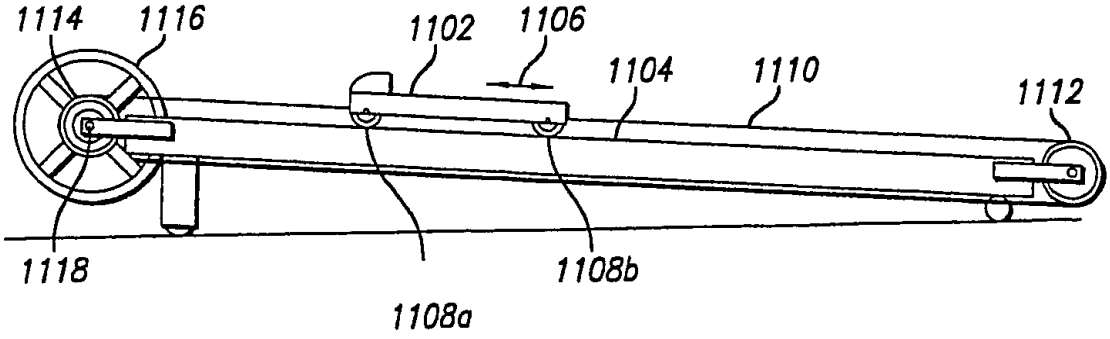


FIG. 12

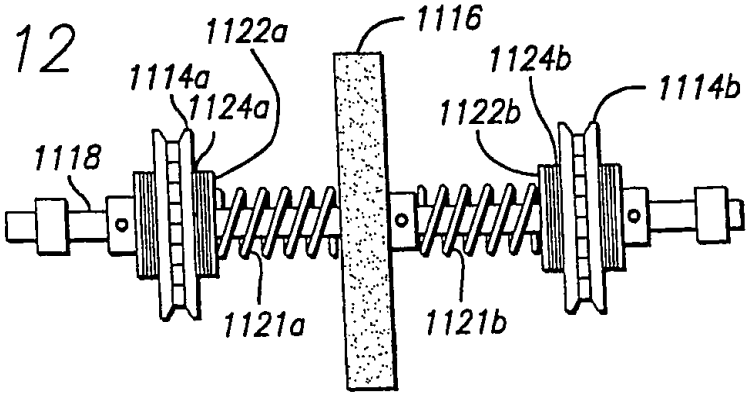
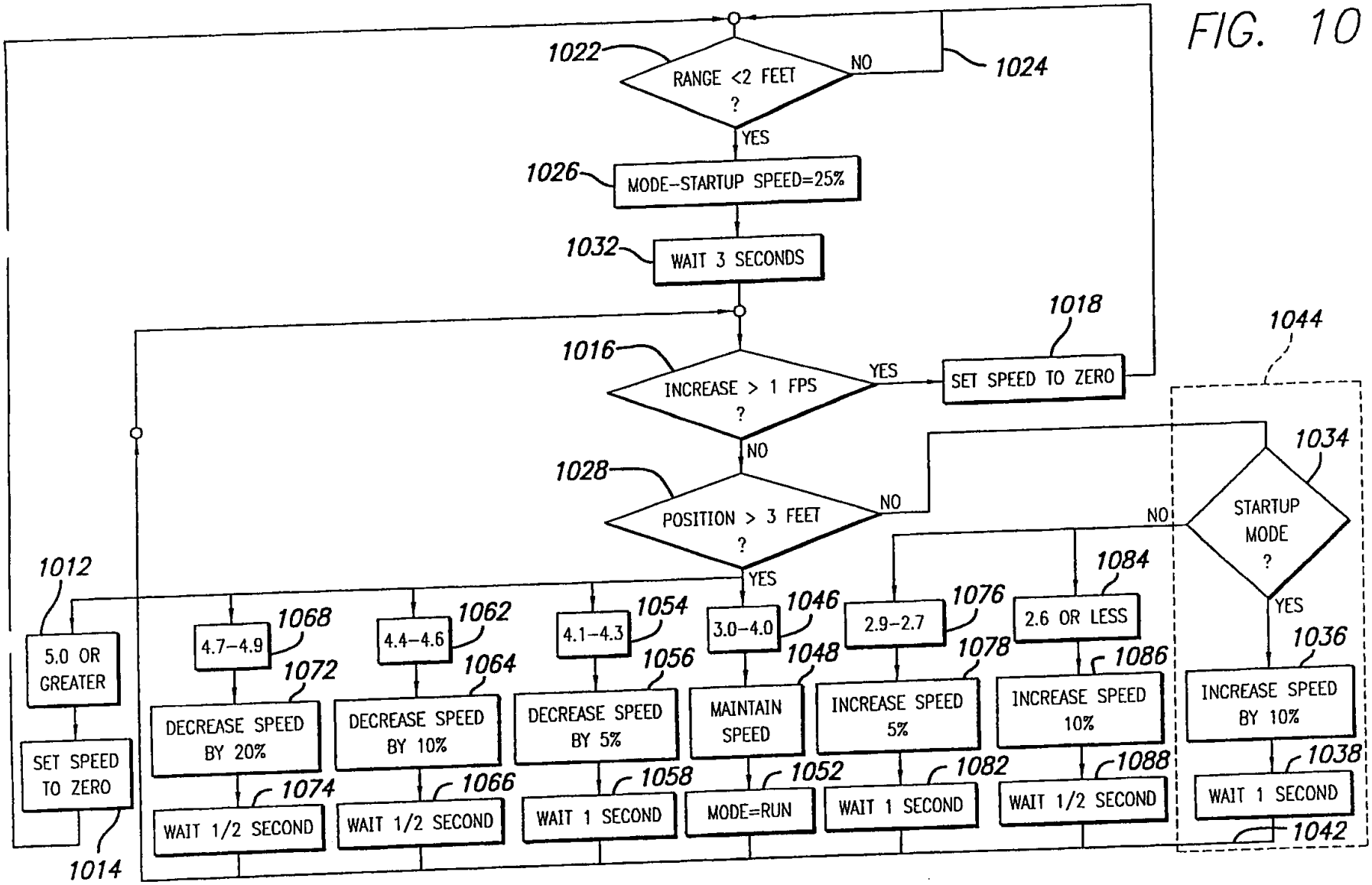


FIG. 10


1022
RANGE <2 FEET ?
NO
1024
YES
1026
MODE–STARTUP SPEED=25%
1032
WAIT 3 SECONDS
1018
1044
1016
INCREASE > 1 FPS ?
YES
SET SPEED TO ZERO
NO
1034
1028
POSITION > 3 FEET ?
NO
STARTUP MODE ?
NO
1012
YES
1084
1076
1046
1054
1062
1068
YES
1036
5.0 OR GREATER
4.7–4.9
4.4–4.6
4.1–4.3
3.0–4.0
2.9–2.7
2.6 OR LESS
1072
1064
1056
1048
1078
1086
INCREASE SPEED BY 10%
SET SPEED TO ZERO
DECREASE SPEED BY 20%
DECREASE SPEED BY 10%
DECREASE SPEED BY 5%
MAINTAIN SPEED
INCREASE SPEED 5%
INCREASE SPEED 10%
1038
1074
1066
1058
1052
1082
1088
WAIT 1 SECOND
WAIT 1/2 SECOND
WAIT 1/2 SECOND
WAIT 1 SECOND
MODE=RUN
WAIT 1 SECOND
WAIT 1/2 SECOND
1042
1014

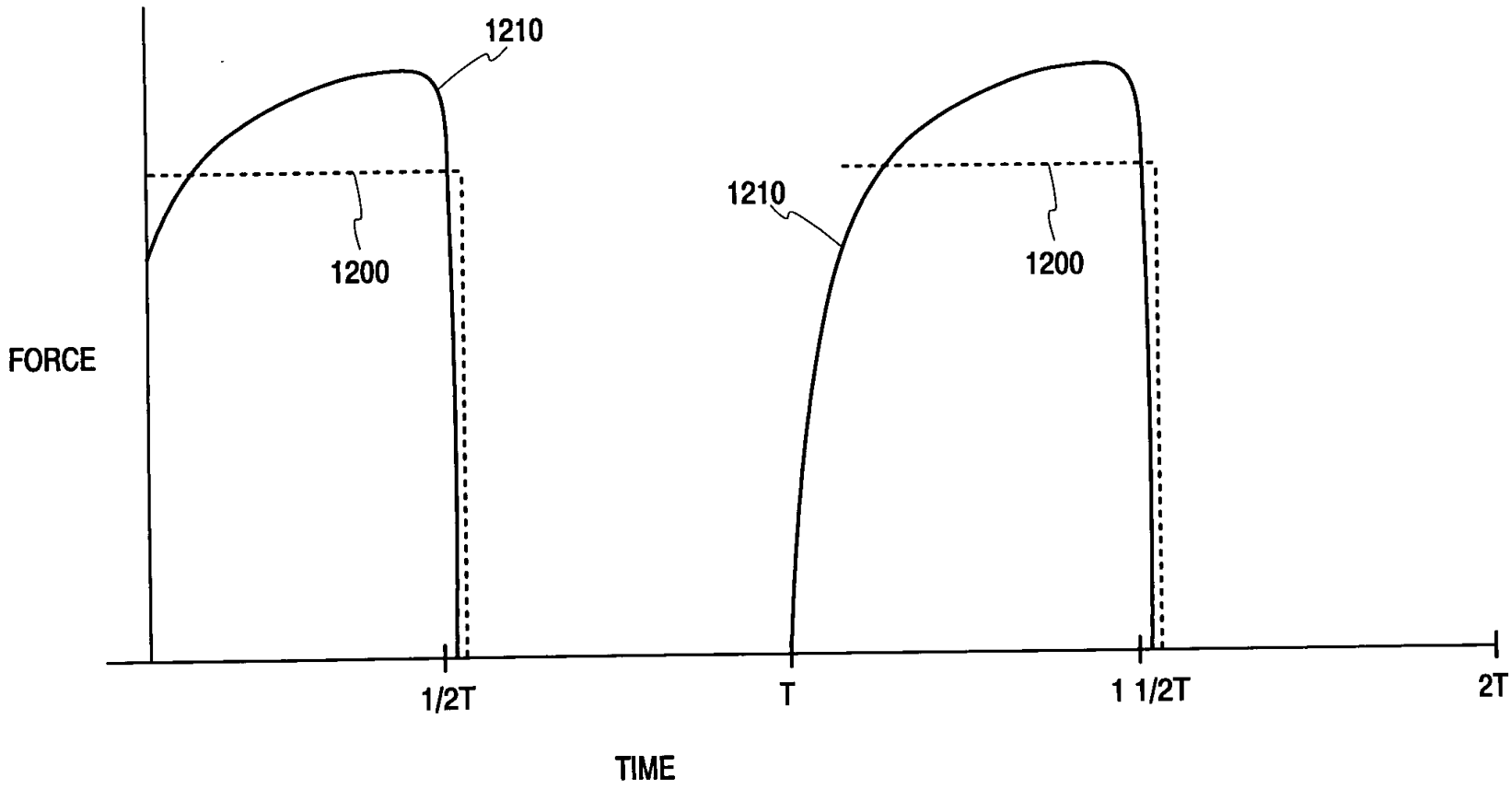


Fig. 13

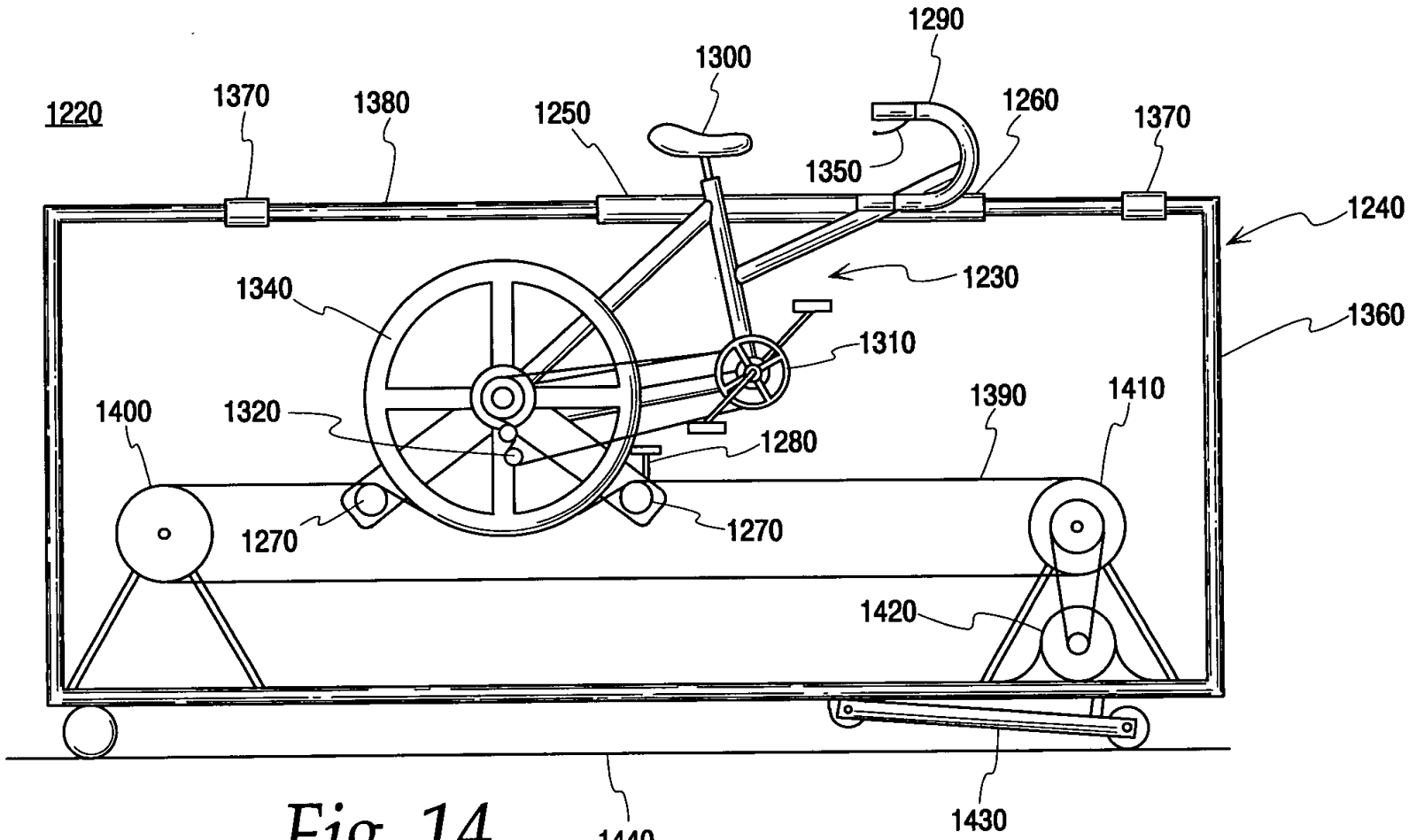

1220
1370
1380
1250
1300
1290
1260
1370
1350
1240
1230
1340
1360
1310
1400
1320
1390
1410
1280
1270
1270
1420
1440
1430

Fig. 14

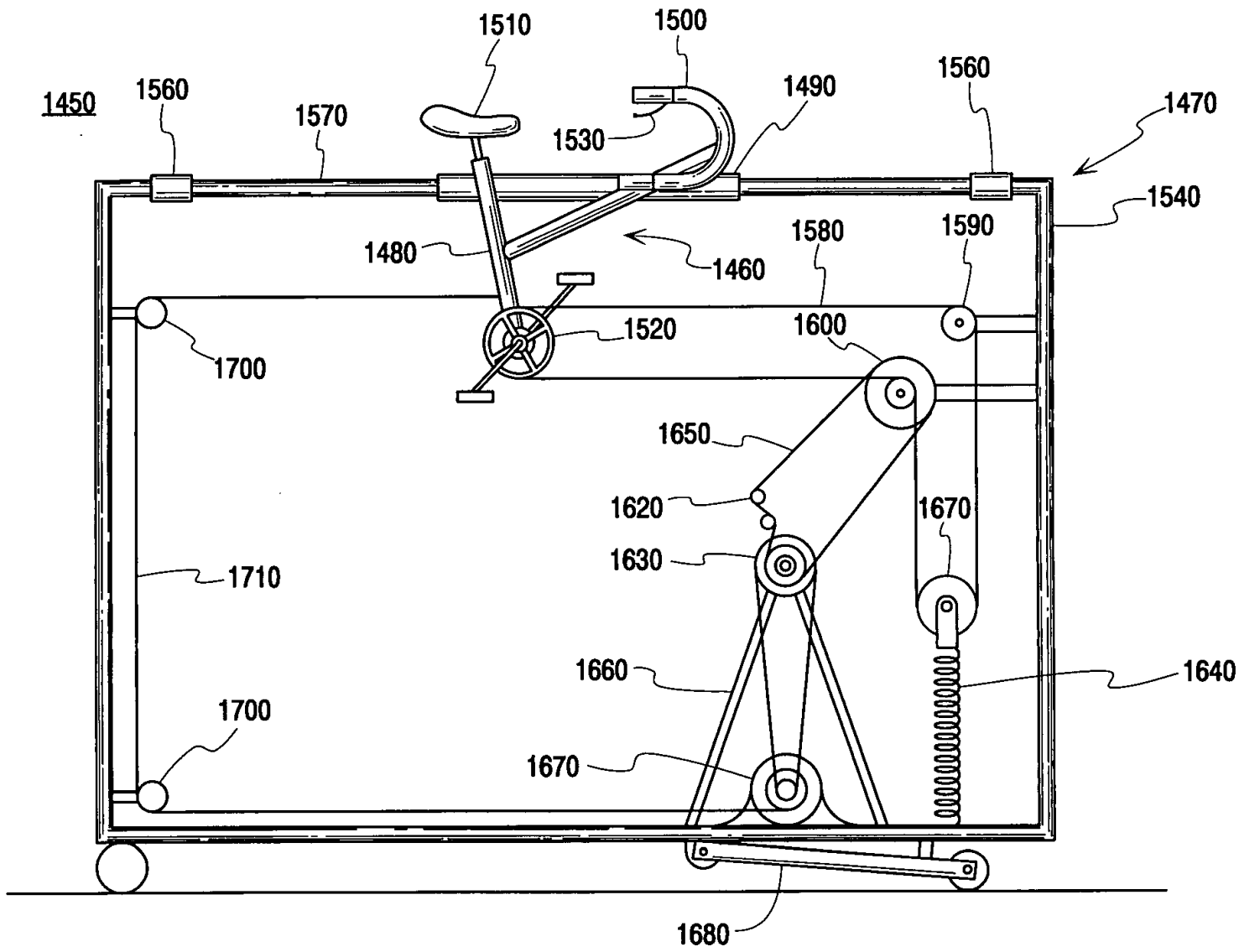
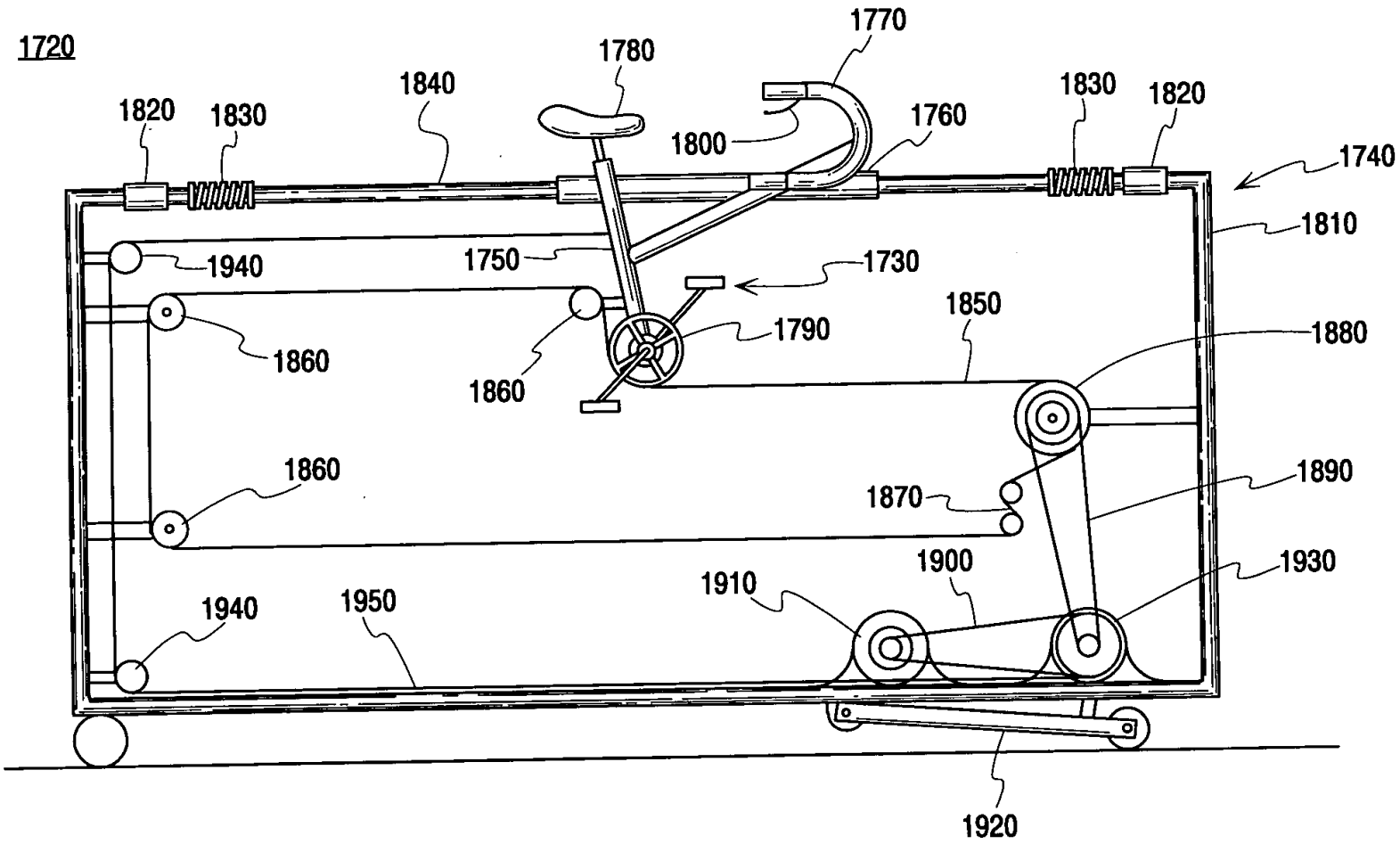

1510
1500
1450
1560
1570
1490
1560
1470
1530
1540
1480
1460
1580
1590
1520
1600
1700
1650
1620
1670
1630
1710
1660
1640
1700
1670
1680

Fig. 15


1720
1770
1780
1840
1820
1830
1800
1760
1830
1820
1740
1810
1940
1750
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1790
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1870
1890
1900
1930
1910
1940
1950
1920

Fig. 16

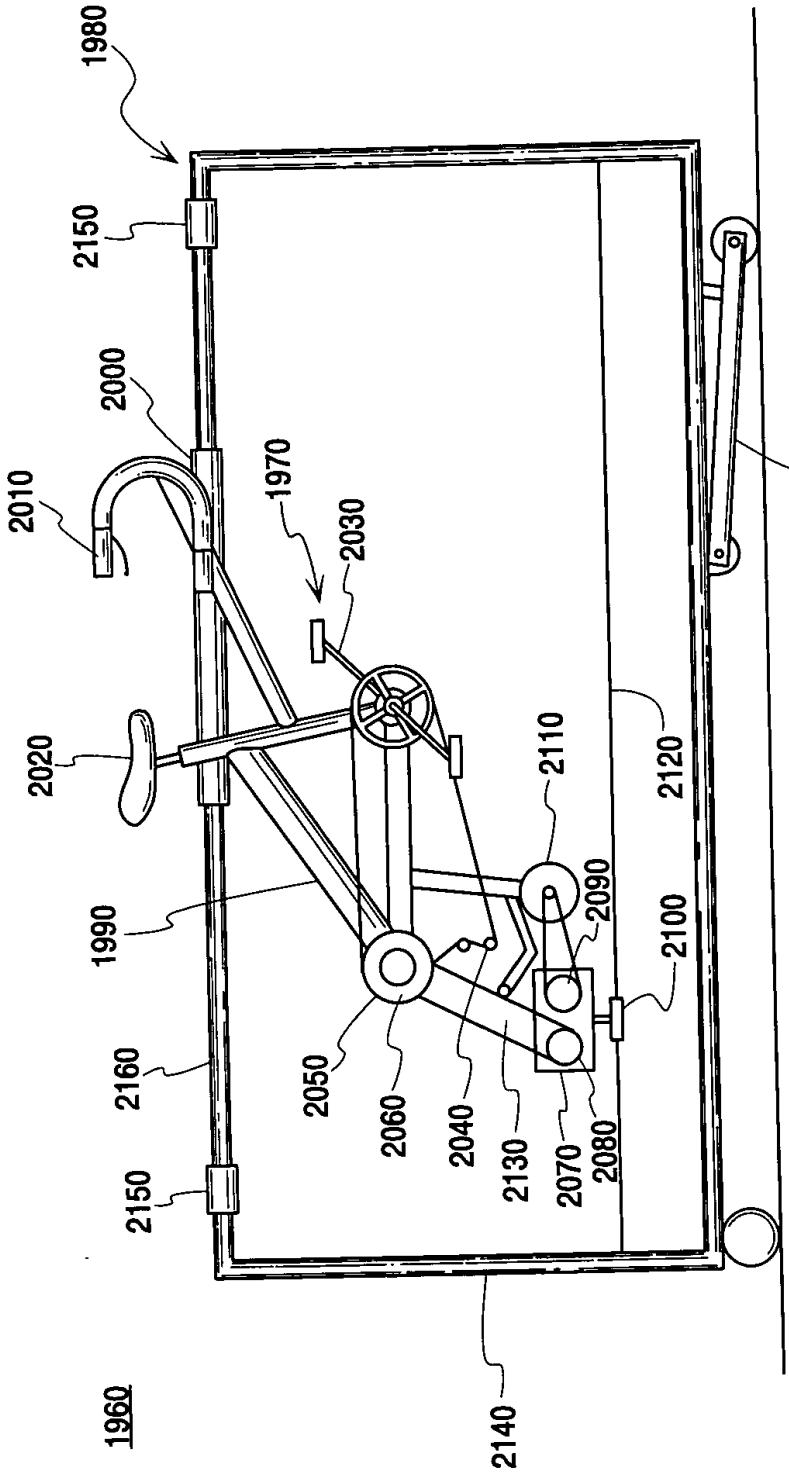

1980
2150
2000
2010
1970
2030
2020
2110
2120
2170
1990
2090
2100
2160
2050
2060
2040
2130
2070
2080
2150
1960
2140

Fig. 17

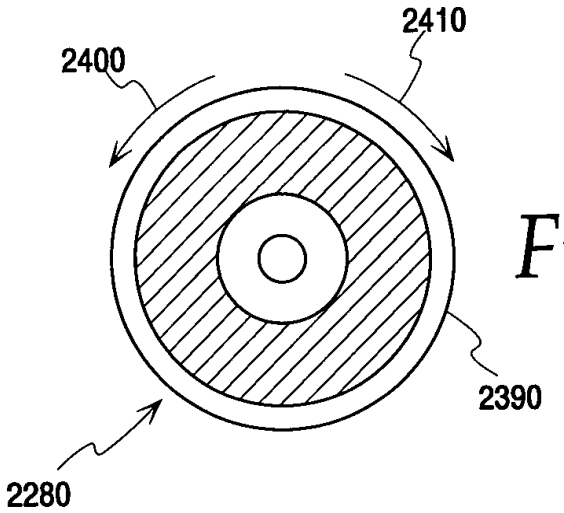
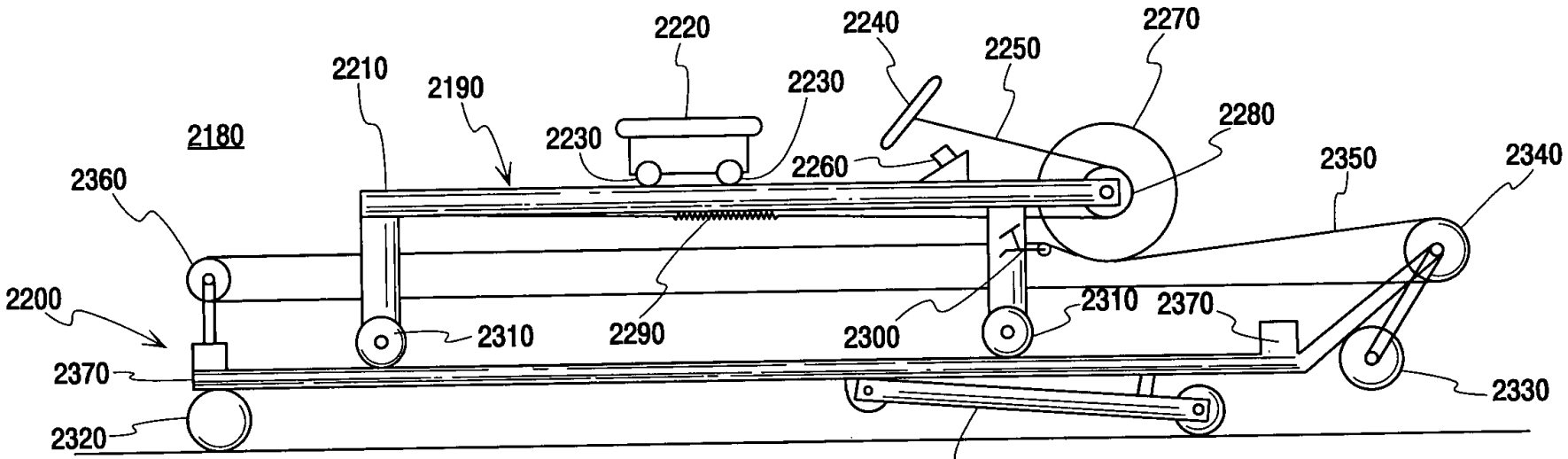

2410
2400
2390
2280

Fig. 19


2220
2240
2250
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2210
2190
2230
2230
2280
2180
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2200
2310
2370
2290
2300
2310
2370
2330
2320
2380

Fig. 18

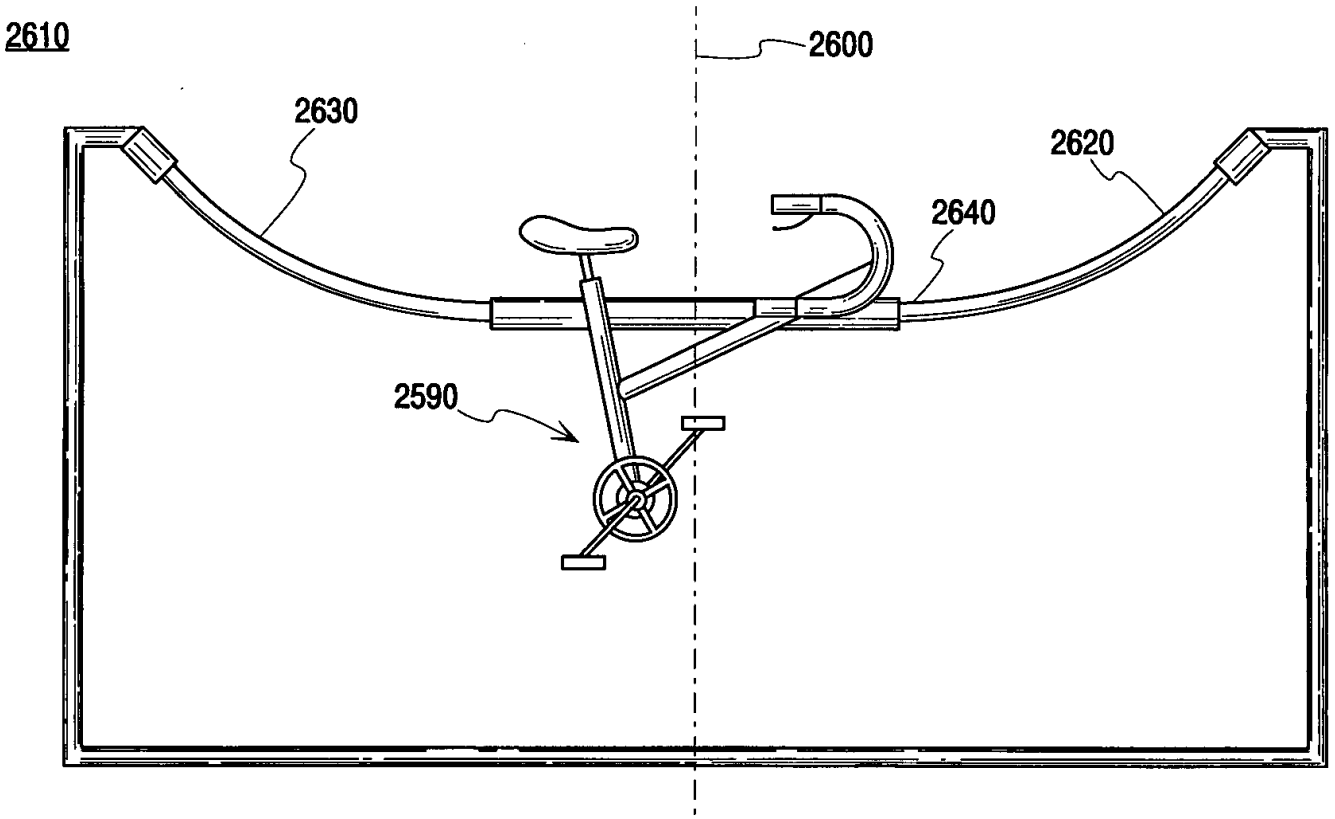
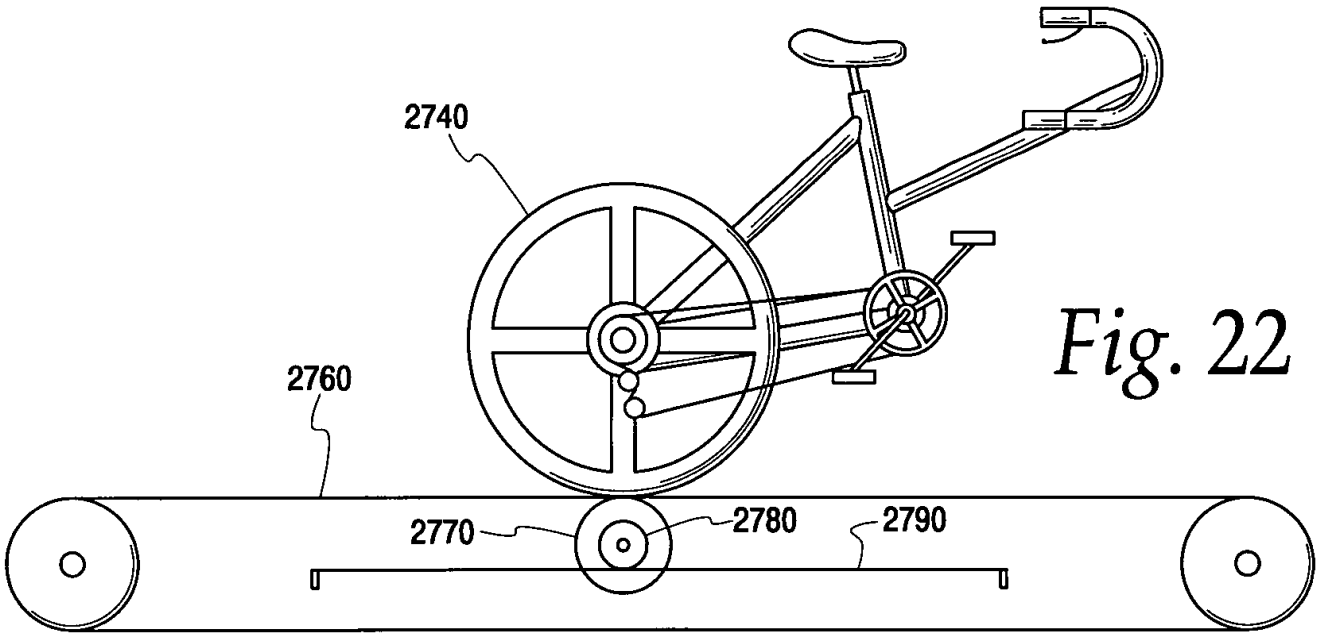


Fig. 20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2760
2770
2780
2790

Fig. 22

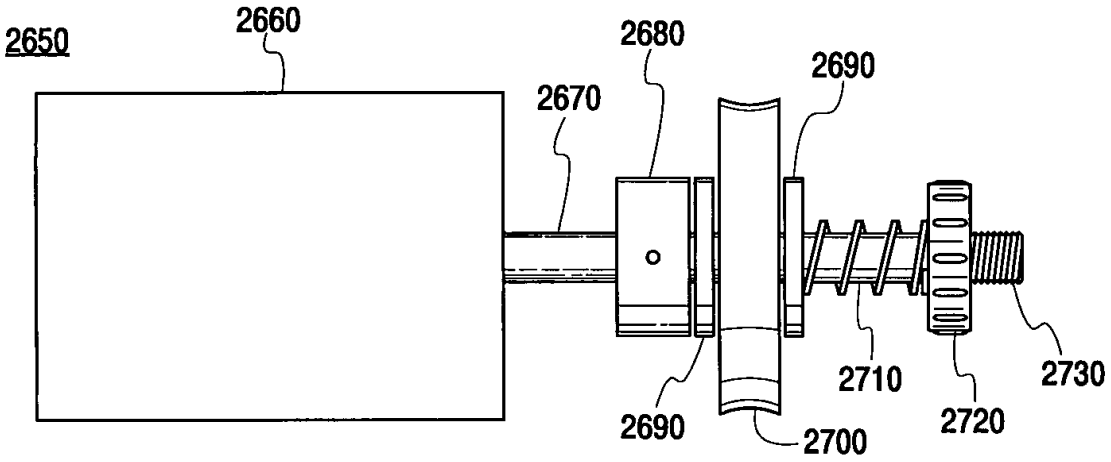
2650
2660
2670
2680
2690
2690
2700
2710
2720
2730

Fig. 21